

# PTH Series

## Electrified Power Transfer Hinges

Electric power transfer hinges provide a concealed and vandal resistant method for running wires from the frame to doors equipped with electric locks and exit devices.



PTH power transfer hinge with door position status (DPS)

### MODELS

**PTH-4** Four Conductor Hinge

**PTH-10** Ten Conductor Hinge

**PTH-2+4** Six Conductor Hinge

### STANDARD FEATURES

- Standard weight, 5 knuckle hinge\*
- Wire replacement warranty
- 5' cable

\* Consult SDC factory for special order sizes or heavy weight hinges.

### OPTIONAL FEATURES

- Door position status (DPS)



## APPLICATIONS

Installed in the center hinge position of the door, PTH power transfer hinges provide the concealed wires required to transfer power from the frame to electric hardware in the door for control and monitoring capability.

- Electric lock power and control
- Door and lock status signaling
- Request-to-exit signaling

Compatible with:

- Electrified mortise locks
- Electrified cylindrical locks
- Electrified exit devices
- Delayed egress exit devices
- Electric trim
- Electric strikes in pair of doors
- Request-to-exit bars

## SPECIFICATIONS

	PTH-4	PTH-10	PTH-2+4
<b>Dimensions</b>	4½" x 4½"	4½" x 4½"	4½" x 4½"
<b>Cable</b>	5'	5'	5'
<b># Wires</b>	4	10	6
<b>Wire Gauge</b>	26 AWG	28 AWG	18 AWG (2) 28 AWG (4)
<b>Current Limit</b>	1 Amp / wire	1 Amp / wire	16 Amp Inrush / wire (18 AWG) 4 Amp Continuous / wire (18 AWG)
<b>Cycle Test</b>	800,000	800,000	800,000
<b>Weight</b>	1.2 lbs	1.2 lbs	1.2 lbs
<b>Door Position Status (DPS)</b>	SPDT 250 mA @ 30 VDC Resistive	SPDT 250 mA @ 30 VDC Resistive	SPDT 250 mA @ 30 VDC Resistive

## CERTIFICATIONS

UL10C Positive Pressure Fire Tests of Door Assemblies  
 ULC-S104 Standard Method for Fire Test of Door Assemblies  
 ANSI/BHMA A156.1

## HOW TO ORDER

### FOLLOW STEPS FOR ORDERING

 Designates optional step

**1| SPECIFY MODEL**

**PTH-4** Four Conductor Hinge

**PTH-10** Ten Conductor Hinge

**PTH-2+4** Six Conductor Hinge

**2| SPECIFY FINISH**

**Q** 626 Dull Chrome 

**3| SPECIFY OPTIONS**

**DPS** Door Position Status (DPS)

STEP NUMBER:	1	2	3
ORDERING EXAMPLE:	<b>PTH-2+4</b>	<b>Q</b>	<b>DPS</b>

## RELATED PRODUCTS

LASER GUIDED WIRE RACEWAY  
 DRILL FIXTURE KITS

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